## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION            | INITIALS | ib NO.  | DATE    |
|---------------------|----------|---------|---------|
| FEE DETERMINATION   | 15       | 0500    | -25 (4) |
| O.I.P.E. CLASSIFIER |          |         |         |
| FORMALITY REVIEW    | 加合       | 1686 S. | 12 7    |

## **INDEX OF CLAIMS**

| V | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | 1 | Interference |
| - | (Through numeral) Canceled | Α | Appeal       |
| ÷ | Restricted                 | ٥ | Objected     |

| Claim  |         |                         |         |          |    |  |              |                | ]                       | Claim Date |          |          |          |         |          |                         |           | ]         | Cla      | im     |         | Date |          |          |         |               |              |              |              |  |                  |           |               |
|--------|---------|-------------------------|---------|----------|----|--|--------------|----------------|-------------------------|------------|----------|----------|----------|---------|----------|-------------------------|-----------|-----------|----------|--------|---------|------|----------|----------|---------|---------------|--------------|--------------|--------------|--|------------------|-----------|---------------|
| -      | 1       | 7                       |         |          |    |  |              |                |                         | 7          |          | le       |          |         |          |                         |           |           |          |        |         |      |          | · @      |         |               |              |              |              |  |                  |           |               |
| Final  |         | `                       | 1       | 1        |    |  |              |                |                         |            | Final    | Original |          | - 1     | - 1      | - 1                     | - (       | 1         | - 1      |        |         |      | Final    | Original |         |               | ı            | -            | - 1          | -  | -                | 1         |               |
|        |         | 1                       | $\perp$ | 1        | L  |  |              |                |                         | 1          | II.      | õ        |          | -       | _        | -1                      | 4         | 4         | 4        | _      |         | 4    | III.     | Ō        | $\perp$ |               | _            | 1            | 4            | _  | 4                | 4         |               |
|        | 1).     | 1=                      | -       | 1        | L  |  |              |                | $\bot$                  |            | _        | 51       |          | _       | _        | 4                       | 4         | 4         | 1        | 4      |         | 1    |          | 110      |         |               | _            | _            | _            | _  | 1                | 1         | 4             |
| -      |         | والا                    | -       | 1_       | L  | _  |              |                |                         | _          | 1        | 52       |          | _       | _        | _                       | _         | _         | _        | 4      |         | 1    |          | 112      | $\perp$ |               | _            | 1            | _            | _  | _                | _         | _             |
| 1 1    | 1 .     | تـ [                    |         |          |    |  |              |                | l_                      |            |          | 53       |          | $\perp$ | 1        |                         |           |           |          |        |         | _}   |          | 113      |         |               |              |              |              |  |                  | $\perp$   |               |
|        | 4       | ح [:                    |         |          |    |  |              |                |                         |            |          | 54       |          |         |          |                         | $\exists$ |           |          |        |         | ]    |          | 114      |         |               |              |              |              |  |                  | I         |               |
|        | 5 ,     | / =                     | 1       | 1_       | _  |  |              |                |                         |            |          | 55       |          |         | _        | _                       | 4         | 1         | $\dashv$ | 1      |         | 1    |          | 115      |         |               |              | _            | _            | _  | $\perp$          | _ _       | _             |
| 1-12   |         | ياد                     | 1       | <u> </u> | _  | _  |              |                |                         | +          | L        | 56       |          | _       |          |                         |           |           |          |        | $\perp$ | ]    |          | 116      |         |               |              |              |              | _  |                  |           | _             |
| 6 7    |         | ح از                    | :       |          |    |  |              |                |                         |            |          | 57       |          |         | _        | 1                       |           |           | $\perp$  |        |         |      |          | 117      |         |               |              |              |              | _  |                  |           | _             |
| 3 8    | -4-1    | - از                    | _       |          |    |  |              |                |                         |            | L        | 58       |          | _       |          | _                       | _         | 1         |          |        |         | ]    |          | 118      | 1_      |               |              | _            | _            | _  | _                |           |               |
|        | 9       | 4                       |         | L        |    |  |              |                |                         |            |          | 59       |          |         |          | _                       | _         |           |          |        |         | 1    |          | 119      |         |               |              | _            |              |  |                  | 1         | _             |
| 15 11  |         | نيل                     |         | L        | L  |  |              |                |                         | 1          |          | 60       |          | _       |          |                         | _{        | _         |          | _      |         | _{   |          | 110      |         |               |              | _            | _            |  | _                |           |               |
| 1      |         |                         |         | L        | L  |  |              |                |                         |            |          | 61       |          | _       | _        |                         |           | _         |          |        |         | _}   |          | 111      | 1       |               |              |              |              | _  |                  | _         |               |
| 1 12   |         | ١,                      | }       |          |    | L  |              |                |                         |            |          | 62       |          |         |          | _                       |           |           | _        |        |         |      |          | 112      | 1_      | _             |              |              |              |  |                  |           |               |
| 12/1   |         |                         | $\perp$ | Ĺ        |    |  |              |                | $\perp$                 |            |          | 63       |          |         |          | $\Box$                  |           | $\Box$    |          | ╝      |         |      |          | 113      | L       |               |              |              |              |  |                  |           | _             |
| 12 1   |         | <i>i</i>                |         |          |    |  |              |                | $oldsymbol{\mathbb{I}}$ |            |          | 64       |          |         |          | $\Box$                  |           | $\exists$ | $\Box$   |        | $\perp$ |      |          | 114      |         |               |              |              | _]           |  |                  |           |               |
| 14/1   |         | _                       |         | Ι        | I  |  |              |                |                         | ]          |          | 65       |          |         |          |                         |           |           | $\Box$   |        |         | ]    |          | 115      |         |               |              |              |              |  |                  | $\Box$    |               |
| 1      |         |                         |         | $\Gamma$ |    |  |              |                | $oxed{\mathbb{I}}$      | ]          |          | 66       |          | $\Box$  | J        | $oldsymbol{\mathbb{J}}$ | J         |           | $\Box$   |        | $\Box$  | ]    |          | 116      |         |               |              |              |              |  |                  |           | _             |
| 19 1   |         |                         | =       |          |    |  |              |                | $\prod$                 | ]          |          | 67       | $\Box$   |         | J        | J                       | J         | I         | J        |        | I       |      |          | 117      |         |               |              |              |              |  |                  |           | _             |
|        | 8       | $oldsymbol{\mathbb{L}}$ | 1       | 7.       |    |  |              |                |                         |            |          | 68       |          |         |          |                         |           |           |          |        |         |      |          | 118      |         |               |              |              |              |  |                  |           |               |
| 17 11  | 9       | $ \mathbb{L} $          |         | Т        | Г  |  |              |                |                         | 7          |          | 69       | П        | 7       |          | Т                       | Т         | 7         | $\neg$   |        | 7       | 7    |          | 119      |         | Г             | -            |              |              |  |                  |           |               |
| 16, 20 | 0 .     | Ζ.                      | 1       | T        |    |  |              |                | 7                       | ٦          |          | 70       |          |         | 1        | 7                       |           |           | _        |        | 7       | 7    |          | 120      | 1       |               |              |              |              |  |                  | $\neg$    | _             |
| 11 2   | 1       |                         |         | +-       | +- | 1-   | -            | -              | -                       | 7          |          | 71       | -        | 7       | -        | -                       | 1         | 7         | 7        |        |         | 7    | -        | 121      | +       | $t^-$         | -            | -            |              |  |                  |           | _             |
| 31 2   | 2       | 7                       | -1      | 十        | +- | -  | -            | -              |                         | 7          |          | 72       |          | -       | +        | -                       | -         | 7         | _        | -      | -       | 7    | -        | 122      | +       | 1-            | 1            |              |              | _  | $\Box$           |           |               |
| 2      |         | ٧.                      |         | 1        |    |  |              |                |                         | ユ          |          | 73       | -        | +       | -        | -                       | +         | 7         | 7        | -      | -       | 7    | 1-       | 123      | +-      | +             | 1            | -            |              |  |                  | $\Box$    | _             |
| 21 2   | 4       | У.                      | 7       | ┯        | T  | -  |              |                | 7                       | $\top$     | <b>—</b> | 74       | -        | 7       | 7        | +                       | +         | 7         | _        | $\neg$ | -       | 1    | -        | 124      | -       | 1             | -            | -            | -            |  | М                | [         |               |
| 243    | - 1 - 1 | 1                       | _       | +-       | 1- | +-   | -            | -              | -                       | 1          | -        | 75       | -        | -       | +        | -1                      | -         | 7         |          | 7      |         | 1    | 1        | 125      | +-      | 1             | _            | 1            |              | _  |                  |           | _             |
| 14/2   | 6       | 7                       |         | +        | +- | <del>                                     </del> | -            |                | -                       | 7          | -        | 76       | 1        | +       | -        | -                       | +         | -         | -        | -      |         | -    | -        | 126      | +-      | -             | -            | -            | -            | -  | $\vdash$         |           | _             |
| 512    | 7       | 1                       | -       | +        | +- | ┼─   | -            |                | -                       | ٦.         | -        | 77       | -        | 7       | +        | +                       | -         | 7         | -+       | -      |         | 7    | -        | 127      | -       | 1-            | 1-           | <del> </del> |              | -  |                  |           | _             |
| 25 2   |         |                         |         | +        | +- | ┼  | -            | -              | -+-                     | 7          | -        | 78       | -        | 7       | 7        | -+                      | +         | 7         | -+       | -      | +       | -1   | -        | 128      | +-      | +-            | -            | <del> </del> |              |  | -                | -         | Γ-            |
| 27/2   | 9       | <b>V</b>                |         | +-       | +- | -  | -            | -              |                         | -          |          | 79       | $\dashv$ |         | +        | 7                       | +         | 7         | -        | -1     |         | 7    | -        | 129      | +-      | +             | 1            | !            | -            | 1  | -                | $\vdash$  | $\vdash$      |
| 200    | 10      | , .                     | -       | +-       | +- | +-   | -            | -              |                         | -          | -        | 70       | 1        | -+      | -+       | -+                      | -         | 7         | -        |        |         | -    | -        | 130      |         | +-            | -            |              |              | 1-   | 1                | 1-1       | r             |
|        | ij.     | 4.                      | +       | +        | +  | +-   | -            | -              | -                       | 7          | -        | 81       |          | -       | -+       | -                       | -+        | +         | -        | -      |         | -    | -        | 131      | +       | 1             | $\vdash$     | +-           | -            | <del>                                     </del> | <del>  -  </del> | 1-        | 卜             |
| 33.3   | 12      | ٠ ا                     |         | +-       | †  | ╁╌   |              | Н              | _                       | ┥          | -        | 82       | -        | +       | 7        | -                       | 7         | 7         |          | -      | -       | 7    | -        | 132      |         | +             | +-           | -            |              | <del>                                     </del> | 1                | -         | ļ-            |
| 1 10   | 3       |                         |         | +        | +- | 1  |              |                | +                       | ┥          | -        | 83       | -        | -       | +        | -                       | 7         | 7         | -        | 7      | -       | 1    | -        | 133      |         | 1             | ✝            | <del> </del> | <del> </del> | ├─   | <del> </del>     | 1-        | ┢             |
|        |         |                         | 1       | +        | +  | <del> </del>                                     | -            |                | -+                      | 7          | <b> </b> | 84       | 1        | -       | +        | _                       | +         | 7         | $\dashv$ |        | -       | 1    |          | 134      | +-      | +             | 1-           | -            | -            | Ι-   | -                | 1-        | t             |
|        | 15      |                         | =       | 1        | +  | 1-   | -            | -              | -                       | -1         | -        | 85       | -        | 7       | -1       | -1                      | -         | 7         | _        | -      | -       | 7    | -        | 135      | 1       | 1-            | +-           | 1-           | 1            | 1  | 1                | 1-        | r             |
|        | 6       | +                       |         | +        | +  | +  | -            | $\vdash$       | -                       | 4          | -        | 86       | 1        | +       | -        | -                       | +         | -         | -        | -      | -       | 7    | -        | 136      | +-      | +             | +            |              | -            | -  | -                | 1-        | H             |
|        | -+      |                         | -       | +        | +- | ╁  | -            | -              | <del>-  -</del>         | -          | -        | 87       | -        | -       | -+       | -+                      | +         | 7         | -+       | -      | +       | 1    | -        | 137      | +-      | 1-            | ┼-           | -            | -            | -  | -                | 1-        | H             |
|        | 8       | 4                       | 7       | +-       | +  | ╁  | -            | -              |                         | $\dashv$   | -        | 88       | $\vdash$ | +       | -        | +                       | +         |           | +        |        |         | 1    | -        | 138      |         | +-            | +-           | ├            | -            | -  | <del> </del>     | <b> </b>  | H             |
| 1      | 19      | +                       | +       | +        | +- | +  | -            | $\vdash$       | +                       | 4          | -        | 89       |          | -+      | $\dashv$ | $\dashv$                | -+        | -         |          |        |         | 4    | -        | 139      |         | +             | +-           | +-           | -            | -  | 1-               |           | $\vdash$      |
|        | 10      | +                       | +-      | +        | +- | +-   | -            | $\vdash\dashv$ | -                       | -          | -        | 90       |          | +       | -+       | $\dashv$                | +         | -         | $\dashv$ |        |         | 4    | 1-       | 140      | +-      | +-            | +-           |              | -            |  | <del> </del>     | i-        | <del> -</del> |
|        |         | +                       |         | +        |    | +  | -            | $\vdash$       |                         | 4          | -        |          | $\vdash$ |         | }        | 4                       | +         |           | -+       | {      |         | -    | -        | 141      |         | -             |              | -            |              | -  | <del> </del>     | -         | -             |
|        | 11      | +                       | +       | +        | +  | -  | <del> </del> | Ш              | -                       | 4          | -        | 91       |          | -       |          | 4                       | 4         | -         | -4       |        |         | 4    | -        |          | +       | -             | -            | -            |              |  |                  |           |               |
| 1      | 2       | 4                       |         | +        | +- |  | -            |                |                         | 4          | -        | 92       |          |         | 4        | -4                      | -4        |           |          |        |         | 4    | -        | 142      | +       | +-            |              | -            | -            |  |                  | -         | -             |
|        | 3       | -                       | +       | +        | +  | +  | -            |                | -                       | 4          | -        | 93       |          |         | -+       | -+                      | +         | -         |          | _      |         | -    | -        | 143      | +-      | 1             | ├            | -            | -            |  | -                |           | -             |
|        | 14      | -                       | 4       | +        | ╁. | ـ  | <del> </del> |                |                         | 4          | -        | 94       | $\vdash$ |         | -        | -                       | 4         |           |          |        |         | 4    | -        | 144      | +-      | ـ             |              |              |              |  | <u> </u>         | $\vdash$  | -             |
| h      | 15      | 4                       | 4       | +        | +- | -  |              | Щ              |                         | 4          | -        | 95       |          | 4       |          | -+                      | 4         | _         |          | ļ      |         | 4    | -        | 145      |         |               | }            |              |              |  | <u> </u>         | H         | H             |
|        | 6       | 4                       | 4       | +        | ↓_ | -  | <b> </b>     | $\vdash$       |                         | 4          | -        | 96       |          |         |          |                         | 4         | 4         | -        |        |         | 4    | -        | 146      | -       | <del> -</del> | <del> </del> | -            | _            | -  | -                | $\vdash$  | -             |
|        | 7       | 4                       | 4       | 4        | 4- |  | 1_           | Ш              | 4                       | 4          | <u>_</u> | 97       |          | _       |          | 4                       | 4         | _         | 4        |        |         | 4    | <u></u>  | 147      | 4       | ļ             | <u> </u>     | -            | -            | <u></u>  | _                | $\square$ | <u> </u>      |
|        | 8       | 4                       | _       | 4        | 4  | -  | <u> </u>     |                | 4                       | 4          | -        | 98       | $\vdash$ | 4       |          |                         | -         | 4         | _        |        |         | 4    | <u>_</u> | 148      | +-      | <b> </b>      | <u> </u>     | -            |              |  | _                |           | ļ.,           |
|        | 19      | 4                       |         | 4        | +  | -  | <b>-</b>     | <b> </b>       | -                       | 4          | -        | 99       | 1        | 4       |          | 1                       | 4         | -4        | _        | _      |         | -    | <u></u>  | 149      |         | <del> </del>  | -            |              | _            | -  |                  |           | -             |
|        | 0       | 1                       | 1       | 1        |    | 1  | <u></u>      | $\Box$         |                         |            | L.       | 100      |          | _1      | 1        |                         | L         | _1        | 1        | _1     |         | ٦    | L        | 150      | 1_      | _             | <u></u>      | L_           |              | <u> </u>   |                  | لـــا     | ட             |

If more than 150 claims or 10 actions staple additional sheet here